OLYMPIC ARMS

Whitney Wolverine

What's old, is new again!

OWNER'S MANUAL

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Rev 7/05

Warning

Before Use Do not attempt to use the Whitney Wolverine pistol or use any of its components until you have read and fully understand this owner's manual. This owner's manual is provided to assist with safe performance and enjoyment of your new Whitney Wolverine pistol. If there is anything in this manual that you do not understand, or if you have any questions about the safe operation of this firearm, please call our **Customer Service Team at (360) 456 - 3471** ***before you attempt to use your Whitney Wolverine***.

Basic NRA rules for safe gun handling: (1) Always keep the gun pointed in a safe direction. (2) Always keep your fingers off the trigger until ready to discharge the gun. (3) Always keep the gun unloaded until ready to use. (4) Always treat your gun as if it were loaded and ready to discharge.

Warning *When the Whitney Wolverine pistol is not being used immediately make sure to remove the magazine and clear the pistol. This will prevent unintended discharge and prolong magazine life. Unintentional discharge of the Whitney Wolverine pistol could cause damage to the pistol itself and/or cause other property damage and/or injury and/or death to people.*

About the Whitney Wolverine Pistol: The Whitney Wolverine is a handgun and considered a dangerous weapon. The Whitney Wolverine was designed to be cost effective, simple to use, and easy to enjoy. Handling the Whitney Wolverine before use, after use, or performing maintenance in manners not described in this owner's manual may: void your warranty, cause damage to your Whitney Wolverine and/or its components; cause other property damage, cause injury or death to yourself or other people.

Contents of this owner's manual: This manual is meant to be a guide on how to prep to use, maintain and enjoy your new Whitney Wolverine pistol.

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Whitney History

The history of the Whitney Wolverine dates back over a half-century. In 1953 Robert L. Hillberg and Howard Johnson developed ideas for a new .22 pistol design. In 1956 the original Whitney Wolverine was released much the same as it is today. The original Whitney featured an aluminum alloy frame with a blue finish and minor cosmetic and functional differences.

Its radical design employed the frame merely as an envelope for the internal working parts and the shape was often called “space age” or “modernistic”. The ergonomics were hailed as superb and when many people held the Whitney they found that it pointed naturally and quickly at their targets.

The Whitney name was derived from the original factory’s proximity to the Eli Whitney facilities of the previous century. Along the development process in the 50’s the Wolverine name was acquired as well.

Roughly thirteen thousand of the original Whitney Wolverine pistols were made. Of those thirteen thousand about 900 were made in nickel. In 1957 the standard blue version of the Whitney Wolverine sold for $39.95, a very competitive price for those days. Business factors ultimately kept the Whitney Wolverine from a longer production run.

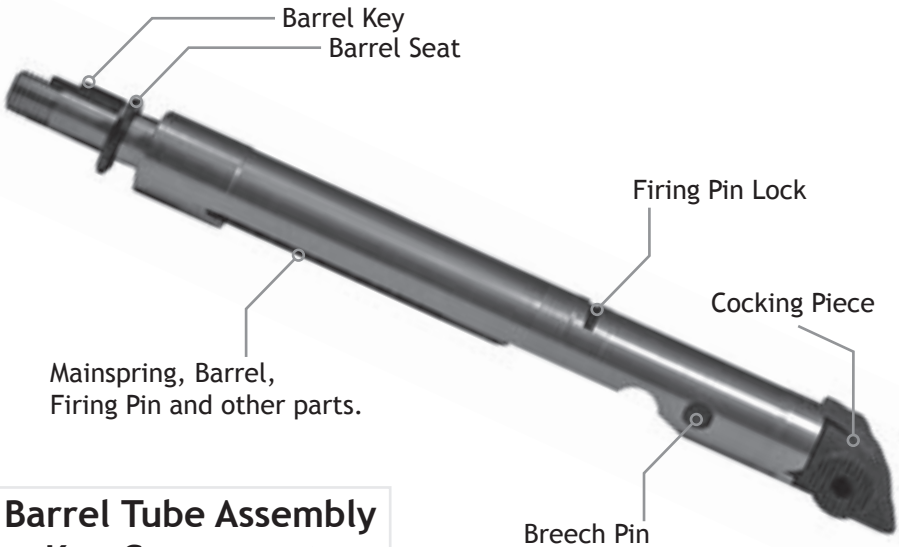
In the late 1990’s Robert Schuetz, owner of Olympic Arms Inc, began plans to bring the Whitney Wolverine pistol back. After several years of development, setbacks and natural disasters the Whitney arrived in 2005.

The new Whitney Wolverine is very much like the original. Today we use a polymer frame rather than the aluminum alloy. Other minor enhancements include a ventilated rib and safety mechanisms.

Future plans call for the Whitney Wolverine to remain in production for years to come. Accessories already available include checkered wood grips, ballistic nylon holster and, for those legally enabled, a full length silencer made from titanium. Other plans include interchangeable barrel assemblies for .17MK2, limited edition color theme frames and sight mounts.

Identifying Parts

(1) Muzzle
(2) Barrel Nut
(3) Blade Type Front Sight
(4) Vented Rib
(5) Dovetail Rear Sight
(6) Hammer
(7) Cocking Piece
(8) Thumb Safety
(9) Magazine Catch & Release
(10) Grips
(11) Trigger
(12) Trigger Guard
(13) Barrel Nut Locking Plunger



Barrel Tube Assembly Key Components

Maintenance

Olympic Arms does not recommend any specific brands of cleaners, lubricants or preservatives. Olympic Arms only requires that you use gun specific products to clean, lubricate and preserve your Whitney Wolverine pistol.

What you need to do:

As a gun owner you are responsible for the care and maintenance of your Whitney Wolverine. Damage and/or malfunctions caused by poor or nonexistent maintenance may not be covered by the Lifetime Warranty. It is important for the proper and safe function of the Whitney Wolverine, as well as any firearm, that cleaning and inspection be performed on a regular basis.

Inspection:

- Inspect the barrel for buildup and/or obstructions. Remove any obstructions and clean out any buildup.
- Pull the cocking piece back and release it several times. Pull and retraction should be smooth and consistent. Clean and lubricate the internal components of the barrel tube assembly periodically. This will reduce friction and wear of components.
- When firing your Whitney make notes of feeding and extracting. Cleaning and lubricating components of the barrel tube assembly is essential for proper feed and extraction.

Barrel Tube Assembly:

Maintenance of the barrel tube assembly does not require the removal of the barrel tube assembly from the frame. The barrel should be cleaned regularly with bore cleaner. The remainder of the Whitney Wolverine components should be cleaned and lubricated with gun specific products.

Magazine:

For longer magazine life and increased reliability of the Whitney Wolverine magazine, Olympic Arms recommends AGAINST lubricating the magazine. Cleaning of the external shell should be performed as needed. Under normal use and conditions the magazine internal components should not need to be cleaned or lubricated.

Personal Notes On Maintenance:

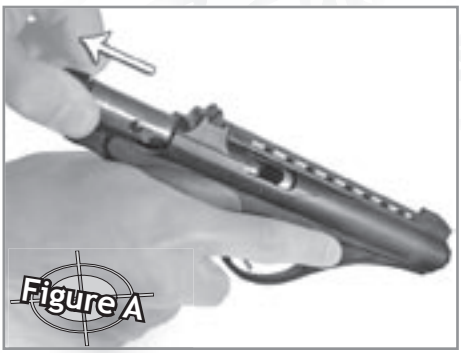
Safety

Manual Safety:
The thumb safety is located on the left-rear side of the frame, just under the cocking piece (*see "Identifying Parts" section*). The safety lever is pushed down to place the weapon on SAFE. The safety can only be engaged with the hammer fully cocked.

The Whitney Wolverine is equipped with a dual safety. When engaged, the safety not only blocks the sear, it also disconnects the trigger from the firing mechanism. Pulling the trigger with the safety engaged will not damage the pistol.

Automatic Magazine Disconnect Safety:
This pistol is designed so that it cannot be fired when the magazine is not inserted or not inserted properly. Even if a round is mistakenly left inside the chamber, the pistol cannot be discharged. Despite this safety feature, Olympic Arms recommends AGAINST leaving a round in the chamber.

Clearing The Pistol:
- Point the pistol in a safe direction and remove the magazine by releasing the lock on the bottom-rear of the grip, and pulling down on the magazine tab on the bottom-front of the grip.
- Pull the cocking piece to its full extent and remove any ammunition that may be inside the chamber (*see "Figure A")*.
- With the cocking piece still pulled back, visually inspect the chamber to ensure the pistol is not loaded.
- For further safety, see the *General Notes* on page 11.



Loading

Ammunition:

The Olympic Arms Whitney Wolverine pistol is designed to function best with .22 LR high velocity ammunition. To avoid malfunction Olympic Arms strongly recommends *against* using economy ammunition.

Loading The Magazine:

The takedown tool included with your Whitney works well as a follower tool and will assist in the loading of the magazine.

- Insert your follower tool into the magazine follower as shown below.
- Hold the magazine with one hand. Using the thumb on the hand holding the magazine, pull down slightly on magazine follower tool (*see "Figure D"*).
- With the free hand, load the magazine one round at a time by inserting the round rim first. At the same time you are loading a round, pull back on the magazine follower tool to ease tension from the magazine spring.
- The magazine has a ten (10) round capacity.

Loading Your Whitney:

Insert the loaded magazine into the pistol grip with the bullets pointed toward the muzzle of the handgun (*see "Figure B")*. Make sure the magazine seats properly by visually inspecting the base of the magazine well to ensure the magazine catch is properly locking the magazine into place (*see "Figure C"*).

Pull the cocking piece fully to the rear and allow it to snap forward. *Do not ease the cocking piece forward by hand, as it will not properly load a cartridge into the pistol chamber.*

Figure C

Figure D

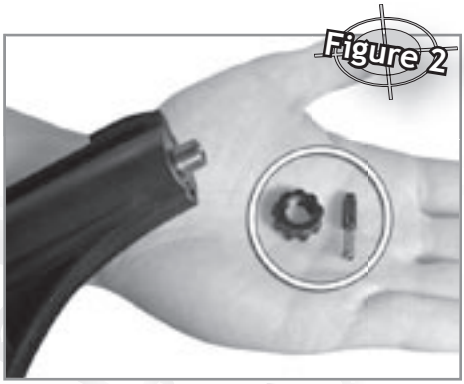
Disassembly

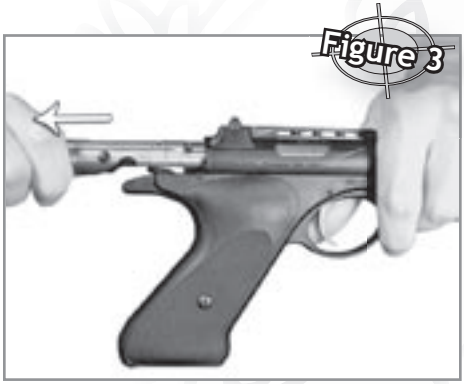
When performing maintenance on your Whitney Wolverine pistol, it is easier to work with the pistol disassembled. The following steps describe in general the steps for disassembling your Whitney pistol for the purpose of maintaining parts. *Modification of any internal components will void your warranty.*

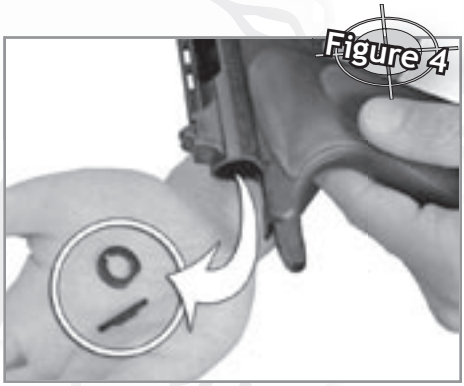
1. Remove the magazine and clear the pistol. (*See 'Clearing The Pistol' section.*)
2. Depress the locking plunger on the muzzle of the pistol and remove the barrel nut by turning it counter-clockwise (*see "Figure 1" on opposite page*).
3. The locking plunger, its spring and the barrel nut should be set aside to prevent misplacement of these small parts (*see "Figure 2" on opposite page*).
4. Move the hammer to the full cocked position.
5. Grasping the cocking piece, pull the entire tube assembly out through the rear of the pistol (*see "Figure 3" on opposite page*).
6. Remove the key and barrel seat from the front of the barrel. If the key does not come out with the barrel and tube assembly, be sure to remove it from the front of the frame (*see "Figure 4" on opposite page*).
7. Remove the firing pin lock from the top of the slide. Take extra caution not to misplace this piece as it is very small.
8. Pull the firing pin from the rear of the tube assembly to remove it.
9. The breech block retaining pin may now be removed by pulling the barrel slightly forward and holding it in that position while the retaining pin is pushed out. The mag loader tool can be used to push the retaining pin out (*see "Figure 5" on opposite page*).
10. The breech block and barrel can now be removed from the tube.
11. Carefully remove the extractor, extractor plunger, and spring. The spring is under tension, therefore we recommend caution in its removal.
12. It is recommended that the ejector be left attached to the barrel. If it must be removed, use caution not to bend it.

    Olympic Arms recommends *against* further disassembly of the Whitney Wolverine pistol.

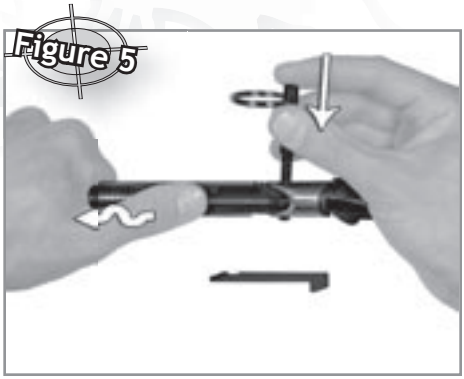
Disassembly



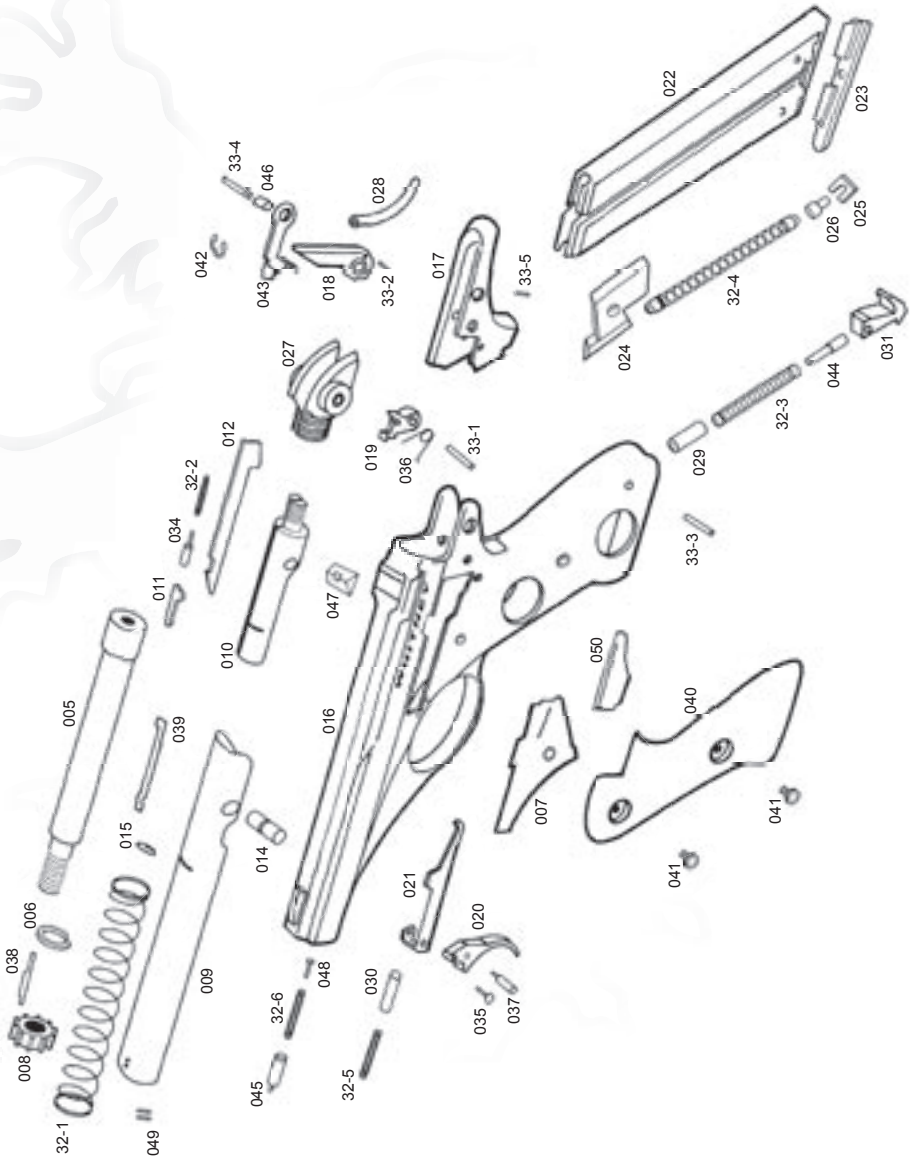




Re-assembly of the Whitney Wolverine is the exact reversal of the steps used to disassemble the pistol. Please refer to page 11 for tips and tricks on assembling the Whitney Wolverine. Also important to note on that page is the description on proper assembly of the barrel key and seat.



Parts View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032-6
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037
008
045
032-5
032-1
049

Parts List

Costs of parts available on request.

Many of the parts from the original Whitney Wolverine are available through Olympic Arms. Please call our Customer Service Team if you need a replacement part for your original Whitney Wolverine.

NOTE: The design of the current Whitney Wolverine is slightly altered from the original Whitney Wolverine. The parts schematic on the facing page will not accurately represent parts for original pistols.

PART #	PART NAME
JLM-004	Magazine Assembly
JLM-005	Barrel
JLM-006	Barrel Seat
JLM-007	Side Plate
JLM-008	Nut
JLM-009	Tube
JLM-010	Breech Block
JLM-011	Extractor
JLM-012	Firing Pin
JLM-014	Breech Pin
JLM-015	Firing Pin Lock
JLM-016	Frame
JLM-017	Action Frame
JLM-018	Hammer
JLM-019	Sear
JLM-020	Trigger
JLM-021	Sear Bar
JLM-022	Magazine Shell
JLM-023	Magazine Bottom
JLM-024	Magazine Follower
JLM-025	Magazine Bottom Lock
JLM-026	Magazine Insert
JLM-027	Cocking Piece
JLM-028	Strut
JLM-029	Hammer Spring Plunger
JLM-030	Trigger Spring Plunger
JLM-031	Magazine Catch

PART #	PART NAME
JLM-032-1	Mainspring
JLM-032-2	Extractor Spring
JLM-032-3	Hammer Spring
JLM-032-4	Magazine Spring
JLM-032-5	Trigger Spring
JLM-032-6	Cocking Plunger Spring
JLM-033-1	Sear Pin
JLM-033-2	Strut Pin
JLM-033-3	Magazine Catch Pin
JLM-033-4	Hammer Pin
JLM-033-5	Safety Lock Pin
JLM-034	Extractor Plunger
JLM-035	Trigger Connector
JLM-036	Sear Spring
JLM-037	Trigger Pin
JLM-038	Barrel Key
JLM-039	Ejector
JLM-040	Pistol Grips
JLM-041	Screw, Pistol Grip & Side Plate
JLM-042	'C' Clip - Hammer Pin
JLM-043	Magazine Disconnect
JLM-044	Hammer Spring Seat
JLM-045	Barrel Locking Plunger
JLM-046	Hammer Pin Sleeve
JLM-047	Rear Sight
JLM-048	Spring Seat Pin
JLM-049	Barrel Index Pin (2)
JLM-050	Safety

General Notes

Assembly Tip:

To help with installing the barrel tube assembly into the frame, our technicians have found a way to keep the small parts from falling off the barrel tube assembly. The technicians recommend putting a drop or two of gun oil onto the slot for the barrel key and seat which helps to hold these two pieces in place for insertion into the frame. The same tip applies to the firing pin lock on the top of the barrel tube assembly.

The photos in this manual show how to remove the barrel nut without tools, however, our technicians use a small flat head screw driver to assist the process. The technicians stand the Whitney on end with the barrel pointing up. Then use the screwdriver to depress the locking plunger with one hand, and the other hand more easily unscrews the barrel nut.

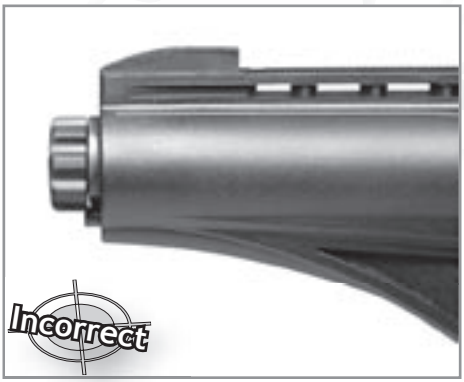
For your safety:

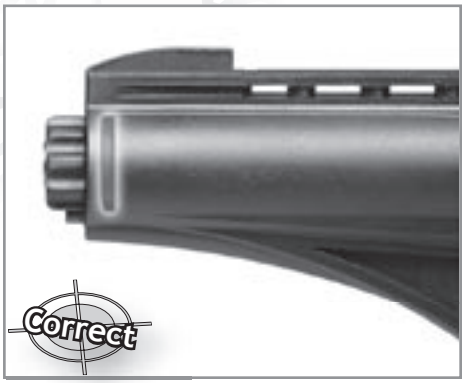
Olympic Arms recommends against leaving a round in the chamber when the Whitney Wolverine is not going to be immediately discharged. When preparing the pistol for storage, it should be cleared (*see "Clearing the pistol"*) which leaves the magazine removed, the chamber empty and the hammer in fully cocked. After the pistol is cleared we recommend inserting an empty magazine into the Whitney and moving the hammer to a half-cocked position. With the hammer half-cocked, remove the magazine and proceed to store the pistol. Following these guidelines will further assist in preventing unintentional discharge of the Whitney Wolverine.

Proper Assembly:

The parts view does not clearly depict how the barrel needs to be assembled. As a result, some Whitney owners have experienced firing issues. When re-assembling your Whitney after maintenance, be sure the barrel assembly is done properly with the barrel seat on the inside of the frame. Directions and photos below provide assistance.

This picture shows the forward end of the barrel assembly. First the barrel seat is slid onto the fore end of the barrel. Then rotate the barrel seat until the slot on the barrel seat is aligned with the slot on the barrel. With the slots aligned, insert the barrel key through both slots. Next, the barrel assembly is inserted into the frame with the forward threads protruding from the muzzle of the frame. The barrel nut is then threaded onto the barrel from the outside of the frame.





Accessories

Various accessories are now available for the Whitney Wolverine as well as replacement and spare parts. Please refer to the "Parts View" and "Parts List" pages for information on internal parts of the Whitney Wolverine.

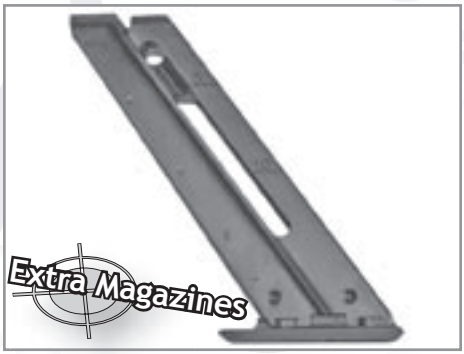
Pricing may be available online or contact our Customer Service Team for the latest prices and availability.

- *E-mail: info@olyarms.com*
- *Tel (360) 456 - 3471*

Ballistic nylon holster protects and secures your Whitney to your side.

Fully checkered grips made from cocobolo wood.

Extra magazines are always helpful for enjoying your Whitney.



Replacement cases with the Wolverine icon molded to the lid. *While supplies last.*

Cleaning Kit which includes cleaner, bore rod and cleaning patches.

Disclaimers

Danger This product, as with many other Olympic Arms products, can cause damage to itself, to other property; cause injury or death of its operator or other people. Use of the product demands responsibility and understanding with regard to guns and gun use. This product is not recommended for novice gun owners/operators without experienced supervision. This product must not be used by those who are not legally eligible to own or operate a firearm of this type.

Notes on Ammunition Olympic Arms does not endorse any specific brand of ammunition, however, the Whitney Wolverine pistol has been successfully test fired with the following ammunition: Federal Lightning™, Winchester Super X™ and Remington #1522™.

Hyper-velocity ammunition will function in the Whitney Wolverine pistol, but with the effect of accelerated wear on the pistol and its components. Use of hyper-velocity ammunition will void your warranty.

Olympic Arms recommends against using steel casing ammunition. Malfunction can result from steel casing ammunition when the cases expand from heat after firing as well as fouling of the components of the Whitney Wolverine pistol. Olympic Arms recommends brass cased types of ammunition for the Whitney Wolverine pistol.

Notes & Records On Ammunition Used:

Warranty

Lifetime Warranty This product, as with all Olympic Arms products, comes with a Lifetime Warranty. Our goal at Olympic Arms is to lead the industry in customer service and satisfaction. For this reason, we are proud to offer the most comprehensive factory warranty of its kind. We will warranty all parts and products manufactured by Olympic Arms against any and all manufacturer's defects in materials and workmanship which affect the satisfactory operation of the item being warranted. This warranty is non-transferable.

Beyond warranty, we guarantee complete customer satisfaction. If you are not completely satisfied with the purchase of any Olympic Arms product for any reason, simply return it to us within sixty (60) days for a replacement, credit, or refund of the original purchase price (to be decided by Olympic Arms). If you purchase your product directly from Olympic Arms you will need your original invoice and an RMA number before returning your product. To obtain an RMA number, please call our Customer Service Team. In the case you purchased your product from an Olympic Arms dealer then their return policy applies foremost. Olympic Arms Inc. does not dictate the in-store policies of its dealers and/or distributors.

The liability of Olympic Arms is limited to repair or replacement of only those parts determined by our expert staff to be defective on the part of the factory. The decision to repair or replace a warranted product will be made by Olympic Arms as necessary to provide the end user with a properly operating finished product. Olympic Arms assumes no liability for accidental or consequential damages.

The following items are specifically excluded from coverage under this warranty: normal wear of the protective finishes and of all metal or plastic parts; damage or malfunction resulting from accident, negligence, misuse or unauthorized repair or alteration; damage or malfunction resulting from barrel obstructions; damage or malfunction resulting from use of other than factory SAAMI specification brass cased new production ammunition; damage resulting from the use of any imported, hand loaded, reloaded or factory re-manufactured ammunition; any finished products that are not assembled at Olympic Arms' facilities or are assembled using imported or used parts (this includes complete rifle kits, pistol kits, upper receivers, lower receivers, barrel units / assemblies, etc.); any damage to Olympic Arms parts or components during assembly by an individual, organization, company or entity other than Olympic Arms.

For more information and details on the Lifetime Warranty and Satisfaction Guarantee, please call our Customer Service Team at *(360) 456 - 3471* or e-mail *info@olyarms.com*.

Olympic Arms

Worldwide Overline

Serial Number